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US EPA RECORDS CENTER REGION 5



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October 5, 1970

Mr. E. T. Kays
Superintendent, Water Dept.
City of St. Louis Park
5005 Minnetonka Boulevard
St. Louis Park, Minnesota

Dear Mr. Kays:

Please find enclosed our proposed plans that we have been working on in the past year for the connection to the City's sewer system. Your approval is solicited.

The two enclosed prints show the layout (drawing 701210-1) for the sewer connection and the flow diagram (drawing 701210-2) of the proposed oil and water separator connections at St. Louis Park. Referring to the flow diagram 701210-2, our process waste water will be collected in a sump and pumped into the Edens Model 150H separator. The liquid level of the receiving sump is controlled so that the flow is not intermittent but matches the flow of the collecting sewer.

The light and heavy oils removed by the separator will be pumped to cone bottom tanks for further separation. The recovered oil will be reclaimed in storage 1 and 3 tanks. The separated water will be re-cycled by discharge to the collection sump and back to the separator.

Sanitary sewer connection from the office building and wash room will bypass the Edens separator and discharge into the sump pumping to the city sewer.

The sewer pipe from the effluent sump to the city manhole in Walker Street will be a 4" steel schedule 40 pipe protected with a coating to prevent external corrosion. A 4" pressure sewer will provide a fall of 2 ft. in 2¹/₂ ft. and allow sufficient soil cover to prevent freezing.

The Edens separator will be housed in an enclosure to provide for continuous operations during the variable weather conditions prevalent in Minnesota.

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Mr. H. T. Kays (Page 2)

Your prompt review and approval to proceed will enable us to expedite a detail design for construction bids before freezing weather.

Yours very truly,

H. L. Finch

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Enclosures

cc: Mr. T. Reiersgord, Attorney (nro)
Mr. R. J. Boyle - Indpls. (nro)
Mr. T. J. Ryan - Indpls. (nro)
Mr. R. J. Hennessy - Reilly Lab. (nro)

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